

022604

U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

500466.03

February 26, 2004

First Inventor or Application Identifier

Kie Y. Ahn et al.

Title

FIELD EMISSION DISPLAY HAVING REDUCED
POWER REQUIREMENTS AND METHOD

Express Mail Label No.

EL 990358907 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-14501. ☒ Fee Transmittal Sheet (+ copy)
(Submit an original and a duplicate for fee processing)2. ☐ Applicant(s) Claim(s) Small Entity Status3. ☒ Specification [Total Pages] **27**
(preferred arrangement set forth below)

- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 USC 113) [Total Sheets] **7**5. ☒ Oath or Declaration [Total Pages] **2**

- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b)

6. ☒ Application Data Sheet (37 C.F.R. 1.76)7. ☐ CD-ROM or CD-R in duplicate, large table or Computer
Program (Appendix)8. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer-Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Certification Under 35 U.S.C. 122(b)(2)(B)(i)10. ☐ Assignment Papers (cover sheet & document(s))11. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)12. ☐ English Translation Document (if applicable)13. ☒ Preliminary Amendment Total Pages **4**14. ☒ Return Receipt Postcard15. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations16. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)17. ☒ Other: Certificate of Express Mail
Check, Copy of Rev & Sub POA18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment☒ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: 09/140,623 Filed August 26, 1998Prior application information: Examiner Karabi GuharayGroup / Art Unit 2879☒ Incorporation By Reference (useable if box 5b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

CORRESPONDENCE ADDRESS

Steven H. Arterberry, Esq.
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(206) 903-8800 phone / (206) 903-8820 fax

Customer No. 27,076

TYPED or PRINTED NAME Steven H. ArterberryREGISTRATION NO. 46,314SIGNATURE Steven ArterberryDate 2/25/04

FEE TRANSMITTAL SHEET (FOR FY 2004)

Complete if Known

| | |
|----------------------|-----------------------|
| Express Mail No. | EL 990358907 US |
| Filing Date | Concurrently Herewith |
| First Named Inventor | Kie Y. Ahn et al. |
| Group Art Unit | Not Yet Assigned |
| Examiner | Not Yet Assigned |
| Atty. Docket Number | 500466.03 |

METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☒ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1001 | 770 | 2001 | 385 | <input checked="" type="checkbox"/> Utility Filing Fee |
| 1002 | 340 | 2002 | 170 | <input type="checkbox"/> Design Filing Fee |
| 1003 | 530 | 2003 | 265 | <input type="checkbox"/> Plant Filing Fee |
| 1004 | 770 | 2004 | 385 | <input type="checkbox"/> Reissue Filing Fee |
| 1005 | 160 | 2005 | 80 | <input type="checkbox"/> Provisional Filing Fee |

Subtotal (1) \$770

2. EXTRA CLAIM FEES

| Current Claims | Prior | Extra | Fee | Fee Paid |
|---------------------------|--------|-------|---------|----------|
| Total | 1 - 20 | = 0 | x \$ 18 | = \$ 0 |
| Ind. | 1 - 3 | = 0 | x \$ 86 | = \$ 0 |
| Multiple Dependent Claims | | x | \$ | \$ |

Subtotal (2) \$ 0

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|---|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent Claim |
| 1204 | 86 | 2204 | 43 | Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | Reissue claims in excess of 20 and over original patent |

3. ADDITIONAL FEES

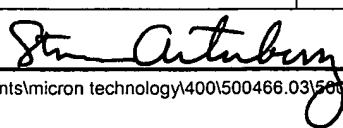
| Large Entity | | Small Entity | | Fee Description | Fee paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - Late filing fee or oath | \$ |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | \$ |
| 1053 | 130 | 1053 | 130 | Non-English specification | \$ |
| 1812 | 2,520 | 1812 | 2,520 | For Filing a Request for <i>ex parte</i> Reexamination | \$ |
| 1804 | 920 | 1804 | 920 | Requesting publication of SIR prior to Examiner action | \$ |
| 1805 | 1,840 | 1805 | 1,840 | Requesting publication of SIR after Examiner action | \$ |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | \$ |
| 1252 | 420 | 2252 | 210 | Extension for reply within 2 nd month | \$ |
| 1253 | 950 | 2253 | 475 | Extension for reply within 3 rd month | \$ |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within 4 th month | \$ |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within 5 th month | \$ |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | \$ |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | \$ |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | \$ |
| 1814 | 110 | 2814 | 55 | Terminal Disclaimer Fee | \$ |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | \$ |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | \$ |
| 1501 | 1,330 | 2501 | 665 | Utility/Reissue issue fee | \$ |
| 1502 | 480 | 2502 | 240 | Design issue fee | \$ |
| 1503 | 640 | 2503 | 320 | Plant issue fee | \$ |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | \$ |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | \$ |
| 1806 | 180 | 1806 | 180 | Submission of IDS | \$ |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | \$ |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | \$ |

Other fee (specify) _____

Subtotal (3) \$0

Total Amount of Payment: \$770

Submitted by:

| | | |
|--|------------------|---------------------------|
| Name: Steven H. Arterberry | Reg. No.: 46,314 | Telephone: (206) 903-8800 |
| Signature:  | | Date: 2/25/04 |

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kie Y. Ahn and Leonard Forbes Attorney Docket No.: 500466.03
Filed : Concurrently Herewith
Title : FIELD EMISSION DISPLAY HAVING REDUCED POWER REQUIREMENTS AND
METHOD

GENERAL AUTHORIZATION


Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date

2/25/04



Steven H. Arterberry
Registration No. 46,314

SHA:dms

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kie Y. Ahn and Leonard Forbes Attorney Docket No.: 500466.03
Filed : February 26, 2004
Title : FIELD EMISSION DISPLAY HAVING REDUCED POWER REQUIREMENTS
AND METHOD

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

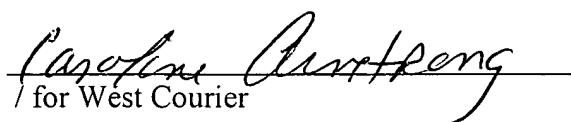
MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 990358907 US on February 26, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,
DORSEY & WHITNEY LLP


/ for West Courier

SHA:dms

Enclosures:

Postcard
Check
PTO/SB/05 Utility Patent Application Transmittal
Application Data Sheet
Fee Transmittal Sheet (+ copy)
General Authorization
Preliminary Amendment
Specification, Claims, Abstract (27 pages)
7 Sheets of Drawings (Figures 1-7)
Copy of Declaration
Copy of Election and Power of Attorney
Copy of Revocation and Substitute Power of Attorney
Information Disclosure Statement, Form PTO-1449